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SEQUENCE LISTING

<110> Hubbell, Jeffrey A.
Elbert, Donald
Lutolf, Matthias
Pratt, Alison
Schoenmakers, Ronald
Tirelli, Nicola
Vernon, Brent

<120> BIOMATERIALS FORMED BY NUCLEOPHILIC ADDITION REACTION TO CONJUGATED UNSATURATED GROUPS

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Pro Gln Gly Ile Ala Gly
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Pro Gln Gly Leu Leu Gly
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Pro Gln Gly Ile Leu Gly
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Pro Leu Gly Ile Ala Gly
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Pro Leu Gly Leu Trp Ala
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Gly Pro Gln Gly Ile Ala Gly Gln
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 Gly Pro Val Gly Ile Ala Gly Gln
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Gly Pro Gln Gly Arg Ala Gly Gln
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 Gly Pro Gln Gly Ile Ala Ser Gln
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 Gly Pro Gln Gly Ile Phe Gly Gln
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Gly Pro Gln Gly Ile Trp Gly Gln
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Arg Gly Asp Ser
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Arg Glu Asp Val
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Arg Gly Asp Val
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<223> Based on Homo sapiens
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Leu Arg Gly Asp Asn
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1



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<210> 43
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Ile Lys Val Ala Val
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Tyr Ile Gly Ser Arg
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<223> Based on Homo sapiens
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Pro Asp Ser Gly Arg
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<400> 46
Arg Asn Ile Ala Glu Ile Ile Lys Asp Ala
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<220>
<223> Based on Homo sapiens
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<400> 47
Arg Gly Asp Thr
<210> 48
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Based on Homo sapiens
<400> 48
Asp Gly Glu Ala
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<211> 4
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Val Thr Xaa Gly
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<223> Based on Homo sapiens
<221> VARIANT
<222> 1,4,6
<223> Xaa=Met, Leu, Ala, Ile, Val, Phe, or Pro
<221> VARIANT
<222> 2,3,5
<223> Xaa=Arg or Lys
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Xaa Xaa Xaa Xaa Xaa
<210> 51
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<212> PRT
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<213> Artificial Sequence
<223> Based on Homo sapiens
<400> 51
Pro Arg Arg Ala Arg Val
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<211> 19
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<223> Based on Homo sapiens
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Tyr Glu Lys Pro Gly Ser Pro Pro Arg Glu Val Val Pro Arg Pro Arg
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Pro Gly Val
<210> 53
<211> 28
<212> PRT
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Arg Pro Ser Leu Ala Lys Lys Gln Arg Phe Arg His Arg Asn Arg Lys
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Gly Tyr Arg Ser Gln Arg Gly His Ser Arg Gly Arg
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<211> 17
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<223> Based on Homo sapiens
<400> 54
Arg Ile Gln Asn Leu Leu Lys Ile Thr Asn Leu Arg Ile Lys Phe Val
                  5
 1
Lys
<210> 55
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<223> Xaa=bAla
<400> 55
Lys Xaa Phe Ala Lys Leu Ala Ala Arg Leu Tyr Arg Lys Ala
<210> 56
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<223> Based on Homo sapiens
<400> 56
Lys His Lys Gly Arg Asp Val Ile Leu Lys Lys Asp Val Arg
<210> 57
<211> 8
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<223> Based on Homo sapiens
<400> 57
Tyr Lys Lys Ile Ile Lys Lys Leu
<210> 58
<211> 9
<212> PRT
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<223> Based on Homo sapiens
<400> 58
Gly Cys Tyr Lys Asn Arg Asp Cys Gly
<210> 59
<211> 16
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<223> Based on Homo sapiens



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<400> 59
Gly Cys Asp Asp Gly Pro Gln Gly Ile Trp Gly Gln Asp Asp Cys Gly
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<211> 16
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<223> Based on Homo sapiens
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Gly Cys Arg Asp Gly Pro Gln Gly Ile Trp Gly Gln Asp Arg Cys Gly
<210> 61
<211> 11
<212> PRT
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<220>
<223> Based on Homo sapiens
<400> 61
Gly Cys Gly Tyr Gly Arg Gly Asp Ser Pro Gly
 <210> 62
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 <212> PRT
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 <220>
 <223> Based on Homo sapiens
 <221> MOD RES
 <222> (1)...(10)
 <223> Xaa at position 1 is acetylated Gly. Xaa at
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 <400> 62
 Xaa Cys Gly Tyr Gly Arg Gly Asp Ser Xaa
                  5
 <210> 63
 <211> 13
 <212> PRT
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 <223> Based on Homo sapiens
 Gly Asp Gly Ser Gly Tyr Gly Arg Gly Asp Ser Pro Gly
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10

1

5

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<210> 64
<211> 9
<212> PRT
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Gly Cys Gly Tyr Gly Arg Gly Asp Ser
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<400> 65
Gly Lys Lys Lys Gly Cys Tyr Lys Asn Arg Asp Cys Gly
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<223> Based on Homo sapiens
<221> VARIANT
<222> (1)...(9)
<223> Xaa at position 4 is D-Lys. Xaa at position 6 is
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Gly Cys Tyr Xaa Asn Xaa Asp Cys Gly
                 5
<210> 67
<211> 13
<212> PRT
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<223> Based on Homo sapiens
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Gly Cys Cys Gly His His His His Gly Cys Cys Gly
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<211> 11
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Gly Cys Gly Tyr Gly Arg Asp Gly Ser Pro Gly
<210> 69
<211> 156
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Arg Gly Ser His Met Lys Asp Pro Lys Arg Leu Tyr Arg Ser Arg Lys
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                             40
Glu Phe Ser Val Cys Asp Ser Val Ser Val Trp Val Gly Asp Lys Thr
                         55
Thr Ala Thr Asp Ile Lys Gly Lys Glu Val Met Val Leu Gly Glu Val
                     70
Asn Ile Asn Asn Ser Val Phe Lys Gln Tyr Phe Phe Glu Thr Lys Cys
                                     90
                85
Arg Asp Pro Asn Pro Val Asp Ser Gly Cys Arg Gly Ile Asp Ser Lys
                                 105
                                                     110
            100
His Trp Asn Ser Tyr Cys Thr Thr His Thr Phe Val Lys Ala Leu
                             120
        115
Thr Met Asp Gly Lys Gln Ala Ala Trp Arg Phe Ile Arg Ile Asp Thr
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Ala Cys Val Cys Val Leu Ser Arg Lys Ala Val Arg
 145
                     150
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 gtctctgtat gggtaggcga taaaaccact gccactgata tcaaaggcaa agaggtgatg 180
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 tgccgtgacc cgaacccggt agactctggg tgtcgcggca tcgattctaa acactggaac 300
 tcttactgca ccactactca cactttcgtt aaagcgttga ctatggatgg taaacaggct 360
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cgttaaggat cc
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Gly Cys Gly Lys Xaa Phe Ala Lys Leu Ala Ala Arg Leu Tyr Arg Lys
1
Ala
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<221> VARIANT
<222> (1)...(5)
<223> Xaa at position 1 is any amino acid containing or
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      3, and 4 is any amino acid. Xaa at position 5 is
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Xaa Xaa Xaa Xaa
<210> 73
<211> 5
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<223> based on Homo sapiens
<400> 73
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<210> 74
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<213> Artificial Sequence





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